A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61F 13/496, A61F 13/56
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, PAJ, FULLTEXT, EPOQUE, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
· Y	WO 8907897 A1 (NIXFLU AB), 8 September 1989 (08.09.89), page 2, line 9 - line 13, figure 1	1-4
Y	WO 9818421 A1 (THE PROCTER & GAMBLE COMPANY), 7 May 1998 (07.05.98), figures 1-10, page 8, second paragraph, page 26 paragraph 4, page 27 paragraph 2	1-4
Y	WO 9636305 A1 (RIEHL, RITA), 21 November 1996 (21.11.96), figure 1, claim 6	1-4

X	Further documents are listed in the continuation of Box	C. See patent family annex.		
"A" "E" "L" "O" "P"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance erlier document but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
sear 23 Nan	May 2003 ne and mailing address of the ISA/	Date of mailing of the international-type search report / / / () Authorized officer		
Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. + 46 8 666 02 86		Beata Slusarczyk/Els Telephone No. + 46 8 782 25 00		

Search request No. SE 02/01093

		2E 05/01093	
C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the rele	Relevant to claim No.	
A	US 6120489 A (LARRY KENNETH JOHNSON ET AL), 19 September 2000 (19.09.00), column 2, line 31 - line 62, figures 1-2	1-4	
A	US 20020112276 A (MARCILLE FAYE RUMAN ET AL), 22 August 2002 (22.08.02), figures 1-2, abstract		1-4
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INTERNATIONAL TYPE SEARCH REPORT Information on patent family members

29/04/03

Search request No. SE 02/01093

WO	8907897	A1	08/09/89	SE SE	454319 B 8603690 A	25/04/88 04/03/88
				3E	8003090 A	04/03/66
WO	9818421	A1	07/05/98	AU	3221597 A	22/05/98
				. AU	5240598 A	22/05/98
				BR	9712616 A	26/10/99
				CA	2219718 A,C	30/04/98
				CN	1237890 A	08/12/99
				ΕP	0839507 A	06/05/98
				EP	· 0975296 A	02/02/00
				JP	2000504975 T	25/04/00
	•			KR	2000052882 A	25/08/00
				TW	382257 Y	00/00/00
				US	2002032427 A	14/03/02
				WO	9818419 A	07/05/98
•			•	ZA	9709737 A	22/05/98
				US	3037228 A	05/06/62
WO	9636305	A1	21/11/96	AT	197242 T	15/11/00
				AU	5809296 A	29/11/96
	•			CA	2221209 A	21/11/96
				DE	29508007 U	10/08/95
				DE	59606094 D	00/00/00
				EP	0830122 A,B	25/03/98
				TR	9701365 T	00/00/00

INTERNATIONAL-TYPE SEARCH REPORT Information on patent family members

29/04/03

Search request No. SE 02/01093

US	20020112276	Α	22/08/02	NONE		·
				WO	9713485 A	17/04/97
•				US	5662638 A	02/09/97
	•			JP	11513295 T	16/11/99
		-		ES	2156294 T	16/06/01
				SE	0859580 T	3
				EP	0859580 A	,B 26/08/98
				DE	69612756 D	T 06/12/01
				CA	2233949 A	17/04/97
				ÂÙ	7202396 A	
				ÄT	200972 T	15/05/01
				WO	9851252 A	
				US	6042673 A	
				JP .	2001527449 T	25/12/01
				ES	2173583 T	16/10/02
				SE	0981315 T	<u>-</u>
				ĒΡ	0981315 A	
	0120 103	• • • • • • • • • • • • • • • • • • • •	25, 55, 55	DE	69805173 D	
US	6120489	A	19/09/00	AU	7572598 A	08/12/98